Nehal Sai Tangudu

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Education

University of** Illinois **Urbana-Champaign   ***Expected: May 2025***
Bachelor of Science for Math and Computer Science
GPA : 3.75 / 4.00
Relevant Coursework : Intro to Computer Science 1, Intro to Computer Science 2, Discrete Structures

Skills

- **Languages:** Java, Python, C++**,** HTML, CSS, Javascript, C#
- **Tools/Frameworks:** Vue.js, VSCode, Git, Unity(C#), Android Studio, Godot

Experience

Python Workshop Instructor, Illinois CS Sail   ***April 2022***
- Taught a workshop alongside 2 teachers covering the basics of creating a Discord bot in Python
- Utilized the discord.py API and Repl.it IDE to simplify the process for students

CS124 (Intro to Computer Science) Course Assistant   ***January 2022 – April 2022***
- Assisted students with homework problems and project submissions
- Contributed towards the course website by creating videos to aid student learning

Frontend Developer, Code Future   ***June 2021 – August 2021***
- Learned the basics of front-end development tools such as HTML, JavaScript, and CSS
- Helped develop a search bar and a blog page for the company website

Volunteer Tutor, Summit Tutoring   ***April 2020 – November 2020***
- Tutored 100+ students virtually across the nation on fundamental topics in Math and Computer Science
- Created study materials for students to use to aid in their preparation for exams

Projects

Slime Soccer   ***March 2022 – Present***
- Designing a soccer game as a team using the Godot engine and its own GDscript language
- Developing as part of ACM Gamebuilders, a club focused on the intersection of CS and Game Design
- Using GitHub to manage files between team members

Independent Projects   ***November 2019 – Present***
- Created an interactive puzzle game that tests the player's arithmetic skills
- Designed a fun multiplayer party game that pits 4 players against each other in a 2d arena

CS124 Honors Project   ***August 2021 – December 2021***
- Collaborated as a team of 6 students to develop an educational game for children
- Used Python and the Pygame library to develop the game as well as GitHub to manage files

Timeline of the Universe   ***October 2020 – December 2020***
- Winning app for the Congressional App Challenge for the 18th Congressional district of Illinois
- Developed an interactive timeline of major events across the history of the universe
- Used the C# language along with Unity to build the app

Accomplishments

Congressional App Challenge Winner	***2020 – 2021***
National Honors Society	***2020 – 2021***
***Cyberpatriot :** Platinum Division, 4th Place in Illinois*	***2020 – 2021***